Notice of Allowability	Application No.	Applicant(s)	
	09/936,320	CHU, JACK OON	
	Examiner	Art Unit	
	Steven H. Rao	2814	
	Otovo	2014	
The MAILING DATE of this communication appeal All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT REOF of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this apport or other appropriate communication (GHTS). This application is subject to	plication. If not included will be mailed in due cours	se. THIS
1. This communication is responsive to <u>5/03/2006</u> .			
2. The allowed claim(s) is/are 89-98 and 124.		•	
 Acknowledgment is made of a claim for foreign priority una)	e been received. e been received in Application No cuments have been received in this of this communication to file a reply	national stage application f	
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		'S AMENIOMENIT OF NOTIC	CE OE
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			JE OF
 5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) hereto or 2) to Paper No./Mail Date (b) hereto or 2) to Paper No./Mail Date (b) hereto or 3) to Paper No./Mail Date (b) hereto or 2) to Paper No./Mail Date (c) hereto or 2) to Paper No./Mail Date (d) hereto or 2) to Paper No./Mail Date (e) hereto or 2) to Paper No./Mail Date (f) hereto or 2) to Paper No./Mail Date (h) hereto or 2) to Paper No./Mail Date (h)			
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB/O Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. Interview Summary Paper No./Mail Da 08), 7. Examiner's Amendr	te	

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DETAILED ACTION

Priority

Acknowledgement is made of papers filed claiming priority from U.S. Serial No. 09/936320 filed on September 12, 2001 under 37 CR 1.114, which itself claims priority from provisional patent application No. 60/ 124,299 filed on March 12, 1999.

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114.

Applicant's submission filed on April 26, 2006 and March 30, 2006 have been entered.

Preliminary Amendment

Applicants' amendment filed March 30, 2006 has been entered after the entry of the RCE on May 03, 2006.

Therefore claims 89-95 and 97-98 as amended by the amendment and claims 96, 124 as previously recited are currently pending in the Application.

Claims 1-88 and 125-129 were previously canceled.

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Information Disclosure Statement

No further IDSs after the one filed on August 25, 2005 have been filed in this case.

Allowable Subject Matter

Claims 89-98 and 124 are allowed.

The following is an examiner's statement of reasons for allowance:

The prior art taken either singularly or in combination fails to anticipate or fairly suggest the limitation of the dependent claims, in such manner that a rejection under 35 U.S.C. 102 or 103 would be proper. The prior art fails to teach a combination of all the claimed features as presented in independent claim (1), which include a layered structure for forming a Ge channel FETS including a single crystalline substrate, a first layer of relaxed Si Ge formed epitaxially on the substrate where the Ge fraction ranges from 0.5 to 0.8, a second Ge layer under compressive strain having a thickness 10nm to 15 nm and a third layer of SiGe or Si having a thickness of less than 1nm and a fourth layer of gate dielectric formed on the third layer. (emphasis supplied).

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Steven H. Rao whose telephone number is (571)272-1718. The examiner can normally be reached on 8.00 to 5.00.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Fahmy Wael can be reached on (571) 272-1714. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000

Steven H. Rao

Patent Examiner

July 06, 2006.

PRIMARY EXAMINER